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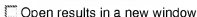
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T. V. Lakshman, Upamanyu Madhow, Bernhard Suter

October 2000 | IEEE/ ACM Transactions on Networking (TON). Volume 8 Issue 5

Publisher: IEEE Press

Full text available: [pdf\(287.04 KB\)](#)Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 83, Citation Count: 5

Keyw ords: ADSL, TCP, buffer management, cable modems, scheduling

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[www.Paigo.com](#)22 [Link layer retransmission schemes for circuit-mode data over the CDMA physical channel](#)

Mooi Choo Chuah, Bharat Doshi, Subra Dravida, Richard Ejzak, Sanjiv Nanda

October 1997 Mobile Networks and Applications, Volume 2 Issue 2

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(460.82 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 29, Citation Count: 1

In the last few years, wide-area data services over North American digital (TDMA and CDMA) cellular networks have been standardized. The standards were developed under three primary constraints: (i) compatibility with existing land-line standards and ...

23 [Exploring power management in multi-core systems](#)

Reinaldo Bergamaschi, Guoling Han, Alper Buyuktosunoglu, Hiren Patel, Indra Nair, Gero

Dittmann, Geert Janssen, Nagu Dhanwada, Zhigang Hu, Pradip Bose, John Darringer

January 2008 ASP-DAC '08: Proceedings of the 2008 conference on Asia and South Pacific design automation

Publisher: IEEE Computer Society Press

Full text available: [pdf\(673.83 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

Power dissipation has become a critical design metric in microprocessor-based system design. In a multi-core system, running multiple applications, power and performance can be dynamically traded off using an integrated power management (PM) unit. This ...

24 [Network and service management for wide-area electronic commerce networks](#)

Symeon Papavasilou

March 2001 International Journal of Network Management, Volume 11 Issue 2


Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(416.91 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 98, Citation Count: 0

This paper focuses on the effective management of wide-area electronic commerce networks supporting services and applications that require high availability and reliability as well as fast reconstitution time, in the event of failures. Copyright ...

25 [ACM SIGCOMM Computer Communication Review: Volume 32 Issue 2](#)


 April 2002 issue Volume 32 Issue 2

Publisher: ACM

Additional Information: full citation, index terms


Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

26 [The state of the art in locally distributed Web-server systems](#)

 Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu

June 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 2

Publisher: ACM

Full text available:  pdf(1.41 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 688, Citation Count: 21

The overall increase in traffic on the World Wide Web is augmenting user-perceived response times from popular Web sites, especially in conjunction with special events. System platforms that do not replicate information content cannot provide the needed ...


Keywords: Client/server, World Wide Web, cluster-based architectures, dispatching algorithms, distributed systems, load balancing, routing mechanisms

27 [DHTTP: an efficient and cache-friendly transfer protocol for the web](#)

Michael Rabinovich, Hua Wang

December 2004 IEEE/ACM Transactions on Networking (TON), Volume 12 Issue 6

Publisher: IEEE Press


Full text available:  pdf(487.71 KB) Additional Information: full citation, abstract, references, index terms, review

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 76, Citation Count: 0

Today's HTTP carries Web interactions over client-initiated TCP connections. An important implication of using this transport method is that interception caches in the network violate the end-to-end principle of the Internet, which severely limits deployment ...


Keywords: HTTP protocol, interception caching, internet, web performance

28 [End-to-end performance and fairness in multihop wireless backhaul networks](#)

 Violeta Gamberoza, Bahareh Sadeghi, Edward W. Knightly

September 2004 MobiCom '04: Proceedings of the 10th annual international conference on Mobile computing and networking

Publisher: ACM


Full text available:  pdf(299.42 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 259, Citation Count: 12

Wireless IEEE 802.11 networks in residences, small businesses, and public "hot spots" typically encounter the *wireline* access link (DSL, cable modem, T1, etc.) as the slowest and most expensive part of the end-to-end path. Consequently, network ...

Keywords: CSMA, CSMA/CA, fairness, wireless backhaul networks

29 Poor man's broadband: peer-to-peer dialup networking

 Umar Saif, Ahsan Latif Chudhary, Shakeel Butt, Nabeel Farooq Butt
October 2007 ACM SIGCOMM Computer Communication Review, Volume 37 Issue 5
Publisher: ACM


Full text available:  pdf(498.61 KB) Additional Information: full citation, abstract, references, index terms


Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 193, Citation Count: 0

In this paper we present a peer-to-peer dialup architecture for accelerated "Internet access" in the developing world. Our proposed architecture provides a mechanism for multiplexing the scarce and expensive international Internet bandwidth over higher ...

Keywords: bandwidth, bittorrent, developing world ICT, dialup, peer-to-peer

30 Statistical bandwidth sharing: a study of congestion at flow level


 S. Ben Fred, T. Bonald, A. Proutiere, G. Régnié, J. W. Roberts
October 2001 ACM SIGCOMM Computer Communication Review, Volume 31 Issue 4
Publisher: ACM


Full text available:  pdf(552.17 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 111, Citation Count: 50

In this paper we study the statistics of the realized throughput of elastic document transfers, accounting for the way network bandwidth is shared dynamically between the randomly varying number of concurrent flows. We first discuss the way TCP realizes ...

31 Statistical bandwidth sharing: a study of congestion at flow level


 S. Ben Fred, T. Bonald, A. Proutiere, G. Régnié, J. W. Roberts
August 2001 SIGCOMM '01: Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications
Publisher: ACM


Full text available:  pdf(552.17 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 111, Citation Count: 50

In this paper we study the statistics of the realized throughput of elastic document transfers, accounting for the way network bandwidth is shared dynamically between the randomly varying number of concurrent flows. We first discuss the way TCP realizes ...

32 Towards trustworthy computing systems: taking microkernels to the next level

 Gernot Heiser, Kevin Elphinstone, Ihor Kuz, Gerwin Klein, Stefan M. Petters
July 2007 ACM SIGOPS Operating Systems Review, Volume 41 Issue 4
Publisher: ACM

Full text available:  pdf(219.53 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 272, Citation Count: 0

As computer systems become increasingly mission-critical, used in life-critical situations, and relied upon to protect intellectual property, operating-system reliability is becoming an ever growing concern. In the past, mission- and life-critical embedded ...

33 The internet vs e-commerce servers: when will server performance matter?

D. Krishnamurthy, J. Rolia

November 1998 CASCON '98: Proceedings of the 1998 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  pdf(113.14 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Citation Count: 2

The cycle time of an Internet based online shopper includes time at an electronic commerce (e-commerce) server to gather information and purchase products, download time to transfer data over the Internet, and think time for interpreting the results ...

34 Efficient software implementation of embedded communication protocol controllers using asynchronous software thread integration with time- and space-efficient procedure calls

Nagendra J. Kumar, Vasanth Asokan, Siddhartha Shivshankar, Alexander G. Dean
February 2007 ACM Transactions on Embedded Computing Systems (TECS), Volume 6 Issue 1

Publisher: ACM

Full text available:  pdf(596.75 KB)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 216, Citation Count: 0

The overhead of context switching limits efficient scheduling of multiple concurrent threads on a uniprocessor when real-time requirements exist. A software-implemented protocol controller may be crippled by this problem. The available idle time may ...

Keywords: Asynchronous software thread integration, J1850, fine-grain concurrency, hardware to software migration, software-implemented communication protocol controllers

35 Redundancy in model specifications for discrete event simulation

Richard E. Nance, C. Michael Overstreet, Ernest H. Page
July 1999 ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 9 Issue 3

Publisher: ACM

Full text available:  pdf(295.90 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 4

Although redundancy in model specification generally has negative connotations, we offer arguments for revising those convictions. Defining "representational redundancy" as the inclusion of any symbols not required to fulfill the study objectives, ...

Keywords: discrete event simulation, model analysis, model development environment, uses of redundancy

36 Modeling wireless links for transport protocols

Andrei Gurtov, Sally Floyd
April 2004 ACM SIGCOMM Computer Communication Review, Volume 34 Issue 2
Publisher: ACM

Full text available:  pdf(674.18 KB)

Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 236, Citation Count: 8


Wireless links have intrinsic characteristics that affect the performance of transport protocols; these include variable bandwidth, corruption, channel allocation delays, and asymmetry. In this paper we review simulation models for cellular, WLAN and ...

37 [Dynamic parallel access to replicated content in the internet](#)

Pablo Rodriguez, Ernst W. Biersack

August 2002 IEEE/ ACM Transactions on Networking (TON), Volume 10 Issue 4

Publisher: IEEE Press

Full text available:  [pdf\(350.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 47, Citation Count: 12

Popular content is frequently replicated in multiple servers or caches in the Internet to offload origin servers and improve end-user experience. However, choosing the best server is a nontrivial task and a bad choice may provide poor end user experience. ...


Keywords: HTTP, content distribution, internet, mirroring, parallel access, peer-to-peer, replication, web

38 [Piecewise network awareness service for wireless/mobile pervasive computing](#)

Liang Cheng, Ivan Marsic

August 2002 Mobile Networks and Applications, Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(304.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 80, Citation Count: 3

This paper presents a piecewise framework for network awareness service (NAS) for wireless/mobile pervasive computing. We investigate how piecewise consideration of wired and wireless elements of the framework architecture benefits service advertisement ...

Keywords: adaptive applications, mobile computing, network awareness, pervasive computing, sensor networks

39 [Fine grained content-based adaptation mechanism for providing high end-user quality of experience with adaptive hypermedia systems](#)

Cristina Hava Muntean, Jennifer McManis

May 2006 WWW '06: Proceedings of the 15th international conference on World Wide Web

Publisher: ACM

Full text available:  [pdf\(196.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 111, Citation Count: 0

New communication technologies can enable Web users to access personalised information "anytime, anywhere". However, the network environments allowing this "anytime, anywhere" access may have widely varying performance characteristics such ...


Keywords: adaptive hypermedia, content-based adaptation mechanism, distance education, end-user quality of experience

40 [The n-ary stack algorithm for the wireless random access channel](#)

Chatschik C. Bisdikian

June 1997 Mobile Networks and Applications, Volume 2 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(526.94 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation Count: 1

The emergence of wireless and personal communication networks has brought random access protocols for packet radio networks back to the research forefronts. Most such protocols are based on the ever popular ALOHA protocol. Unfortunately, this protocol ...

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